

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	70	("1415516"   "1906184"   "2183517"   "2242759"   "2443524"   "2621137"   "2700606"   "2761776"   "2861882"   "2937939"   "2992095"   "20010036056"   "20020028175"   "20020114722"   "20020135973"   "20030104923"   "20030117766"   "20030147203"   "20030170169"   "20030205106"   "3421195"   "3647420"   "3665260"   "3849124"   "3926832"   "3962715"   "4032328"   "4059442"   "4118727"   "4126493"   "4186423"   "4201798"   "4406699"   "4428856"   "4483819"   "4722756"   "4748737"   "4805074"   "4923531"   "4960471"   "4964906"   "5011742"   "5013357"   "5022935"   "5171379"   "5211741"   "5245514"   "5369547"   "5412533"   "5448447"   "5470525"   "5825611"   "0599513"   "6007597"   "6051044"   "6051326"   "6136062"   "6165623"   "6312642"   "6322912"   "6373685"   "6391275"   "6416730"   "6462934"   "6527937"   "6576038"   "6576099"   "6592740"   "6639787"   "6759026"). PN.	US-PGPUB; USPAT	ADJ	OFF	2007/10/09 15:53
S2	648	(423/594.17 OR 423/594.8 OR 423/62). ccls.	US-PGPUB; USPAT	ADJ	OFF	2007/10/09 15:33

S3	70	("1415516"   "1906184"   "2183517"   "2242759"   "2443524"   "2621137"   "2700606"   "2761776"   "2861882"   "2937939"   "2992095"   "20010036056"   "20020028175"   "20020114722"   "20020135973"   "20030104923"   "20030117766"   "20030147203"   "20030170169"   "20030205106"   "3421195"   "3647420"   "3665260"   "3849124"   "3926832"   "3962715"   "4032328"   "4059442"   "4118727"   "4126493"   "4186423"   "4201798"   "4406699"   "4428856"   "4483819"   "4722756"   "4748737"   "4805074"   "4923531"   "4960471"   "4964906"   "5011742"   "5013357"   "5022935"   "5171379"   "5211741"   "5245514"   "5369547"   "5412533"   "5448447"   "5470525"   "5825611"   "0599513"   "6007597"   "6051044"   "6051326"   "6136062"   "6165623"   "6312642"   "6322912"   "6373685"   "6391275"   "6416730"   "6462934"   "6527937"   "6576038"   "6576099"   "6592740"   "6639787"   "6759026"). PN.	US-PGPUB; USPAT	ADJ	OFF	2007/10/09 11:25
S5	1478	(423/594.17 OR 423/594.8 OR 423/62 OR 419/19).ccls.	US-PGPUB; USPAT	ADJ	OFF	2007/10/09 11:26
S6	1642	(423/594.17 OR 423/594.8 OR 423/62 OR 75/255).ccls.	US-PGPUB; USPAT	ADJ	OFF	2007/10/09 15:34
S16	212	(valve metal OR niobium) AND suboxide AND oxide AND phase	US-PGPUB; USPAT	ADJ	ON	2007/10/10 07:52
S17	4	S16 and S6	US-PGPUB; USPAT	ADJ	ON	2007/10/09 15:56

S18	40	(valve metal OR niobium) AND (suboxide AND oxide) SAME phase	US-PGPUB; USPAT	ADJ	ON	2007/10/09 15:58
S19	2	("6849104" OR "6701357").pn.	US-PGPUB; USPAT	ADJ	OFF	2007/10/09 16:05
S20	9	(US-20020114722-\$ or US- 20020028175-\$ or US- 20010036056-\$).did. or (US-6416730-\$ or US- 4201798-\$ or US-6165623- \$ or US-6462934-\$ or US- 6849104-\$ or US-5441670- \$).did.	US-PGPUB; USPAT	ADJ	OFF	2007/10/09 16:54
S21	1	S20 and S18	US-PGPUB; USPAT	ADJ	OFF	2007/10/09 16:16
S22	70	("1415516"   "1906184"   "2183517"   "2242759"   "2443524"   "2621137"   "2700606"   "2761776"   "2861882"   "2937939"   "2992095"   "20010036056"   "20020028175"   "20020114722"   "20020135973"   "20030104923"   "20030117766"   "20030147203"   "20030170169"   "20030205106"   "3421195"   "3647420"   "3665260"   "3849124"   "3926832"   "3962715"   "4032328"   "4059442"   "4118727"   "4126493"   "4186423"   "4201798"   "4406699"   "4428856"   "4483819"   "4722756"   "4748737"   "4805074"   "4923531"   "4960471"   "4964906"   "5011742"   "5013357"   "5022935"   "5171379"   "5211741"   "5245514"   "5369547"   "5412533"   "5448447"   "5470525"   "5825611"   "0599513"   "6007597"   "6051044"   "6051326"   "6136062"   "6165623"   "6312642"   "6322912"   "6373685"   "6391275"   "6416730"   "6462934"	US-PGPUB; USPAT	ADJ	OFF	2007/10/09 16:55

		"6527937"   "6576038"   "6576099"   "6592740"   "6639787"   "6759026"). PN.				
S23	24	(S20 OR S22 OR S19) AND flow	US-PGPUB; USPAT	ADJ	OFF	2007/10/09 16:55
S24	29	(valve metal OR niobium OR tantalum) AND suboxide AND oxide AND secondary AND tertiary	US-PGPUB; USPAT	ADJ	ON	2007/10/10 08:14
S26	1	US-20020066338-\$.did.	US-PGPUB; USPAT	ADJ	ON	2007/10/10 08:09
S27	95	(valve metal OR niobium OR tantalum OR aluminum OR zirconium OR titanium OR bismuth OR antimony) AND suboxide AND oxide AND secondary AND tertiary	US-PGPUB; USPAT	ADJ	ON	2007/10/10 08:15
S28	1	("2003/0230167").URPN.	USPAT	ADJ	OFF	2007/10/11 08:32
S29	346	(valve metal OR niobium OR tantalum) AND suboxide AND oxide AND phase	US-PGPUB; USPAT	ADJ	ON	2008/06/24 17:01
S30	1707	(423/594.17 OR 423/594.8 OR 423/62 OR 75/255).ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/06/24 17:01
S31	6	S29 and S30	US-PGPUB; USPAT	ADJ	ON	2008/06/24 17:01
S32	2	(valve metal OR niobium OR tantalum) AND suboxide AND oxide ((suboxide OR oxide) SAME phase)	US-PGPUB; USPAT	ADJ	ON	2008/06/24 17:03
S33	212	(valve metal OR niobium OR tantalum) AND suboxide AND oxide AND ((suboxide OR oxide) SAME phase)	US-PGPUB; USPAT	ADJ	ON	2008/06/24 17:03
S34	152	(valve metal OR niobium OR tantalum) AND suboxide AND oxide AND ((suboxide OR oxide) WITH phase)	US-PGPUB; USPAT	ADJ	ON	2008/06/24 17:04

S35	90	(valve metal OR niobium OR tantalum) AND suboxide AND oxide AND ((suboxide OR oxide) WITH phase) AND (metal WITH phase)	US-PGPUB; USPAT	ADJ	ON	2008/06/24 17:04
S36	12	(valve metal OR niobium OR tantalum) AND suboxide AND oxide AND ((suboxide OR oxide) WITH phase) AND (metal phase)	US-PGPUB; USPAT	ADJ	ON	2008/06/24 17:40
S38	15	(valve metal OR niobium OR tantalum OR aluminum OR titanium OR zirconium) AND suboxide AND oxide AND ((suboxide OR oxide) WITH phase) AND (metal phase)	US-PGPUB; USPAT	ADJ	ON	2008/06/25 11:12
S39	12	(valve metal OR niobium OR tantalum) AND suboxide AND oxide AND ((suboxide OR oxide) WITH phase) AND (metal phase)	US-PGPUB; USPAT	ADJ	ON	2008/06/25 11:13
S40	3	S38 NOT S39	US-PGPUB; USPAT	ADJ	ON	2008/06/25 11:13
S41	6	("5019454"   "5447803"   "5733489"   "5980602"   "6080496"   "6284014"). PN. OR ("6699303"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/25 11:32
S42	380	(valve metal OR niobium OR tantalum) AND suboxide AND oxide AND phase	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:48
S43	680	(valve metal OR niobium OR tantalum) AND suboxide AND oxide	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:48
S44	411	S43 and flow	US-PGPUB; USPAT	ADJ	ON	2009/03/17 15:59
S45	1762	(423/594.17 OR 423/594.8 OR 423/62 OR 75/255).ccls.	US-PGPUB; USPAT	ADJ	OFF	2009/03/17 16:02
S46	22	S44 and S45	US-PGPUB; USPAT	ADJ	OFF	2009/03/17 16:02
S47	18	S44 and (ASTM B213 OR ASTM B "213")	US-PGPUB; USPAT	ADJ	ON	2009/03/17 16:32

S48	88	flow and (ASTM B213 OR ASTM B "213") and oxide	US-PGPUB; USPAT	ADJ	ON	2009/04/07 16:23
-----	----	---	--------------------	-----	----	---------------------

**4/ 7/ 2009 6:31:46 PM**

**C:\ Documents and Settings\ dliao\ My Documents\ EAST\ Workspaces\ 10 786621 valve  
metal subox.wsp**